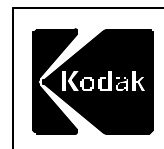


Kodak DryView
8900 LASER IMAGER

Service Bulletins



SERVICE BULLETIN

Health Group Products

Eastman Kodak Company, Health Group, Rochester, NY 14650

APRIL 2005

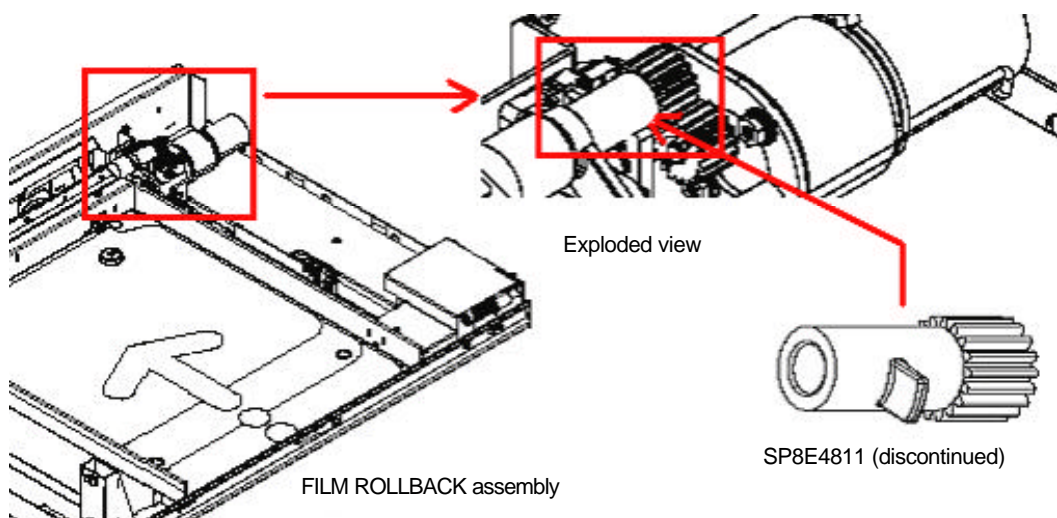
Kodak DryView 8900 LASER IMAGER

Service Code: 1442

Part Discontinued - ROLLBACK FLAG/GEAR

Problem Identification

Please be advised that Part Number SP8E4811 has been discontinued and has been replaced with two individual parts.



Problem Resolution

The 2 individual parts created are seen below. Machine Serial Number effectivity for the use of these new components is unknown. A minimum quantity of 5 each of the new components should be maintained in all field service custody.



SP8E4349



SP8E4798

For more information please contact TSC:

Eastman Kodak Company
Health Group
1 Imation Way
Discovery Building 3B-62
Oakdale, MN 55128-3414, USA
1-800-328-2910

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APRIL 2005

Kodak DryView 8900 LASER IMAGER

Service Code: 1442

PM Kit Created for the 8900 LASER IMAGER

Kit Information

Please be advised that a Preventative Maintenance Kit SP7F6966 has been created for the *Kodak Dryview 8900 LASER IMAGER* and is currently available in Spares. The kit includes the following components:

SP8E1925	Assembly – FELT PAD, THERMAL PROCESSOR
SP8E9410	Kit – CHARCOAL FILTER (2)
SP8E4708	GASKET – DUCT, THERMAL PROCESSOR
SP8E4736	GASKET – COVER DRUM, THERMAL PROCESSOR
SP8E4554	INSULATION – CHASSIS, THERMAL PROCESSOR
SP8E4375	INSULATION – COVER DRUM, THERMAL PROCESSOR
78-8018-2802-7	CLEANING PADS
96-0000-0118-8	TACK CLOTH
1C8287	ALCOHOL WIPE (50 pack)
26-1012-1130-3	<i>Krytox</i> LUBRICANT – ½ oz syringe
79-9998-2868-0	BAG with TIE-WRAP

Additional Info

This kit is to be used at 20,000 film cycles. Additional components may be needed when the machine reaches the following film cycles:

- 40K** – SP7F6966 (PM Kit)
 - SP8E1501 (DIVERFTER AY)
 - SP8E1925 (FELT PAD)
 - SP8E1663 (AIR FILTER)

- 100K** – SP7F6966 (PM Kit)
 - SP8E1183 (EXIT TRANSPORT ROLLER, Drive)
 - SP5E7997 (EXIT TRANSPORT ROLLER, Idler)

For more information please contact TSC:

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APRIL 2005

Kodak DryView 8900 LASER IMAGER

Service Code: 1442

Converting Older Model 8900 LASER IMAGERS to Use the New Style POWER MODULE

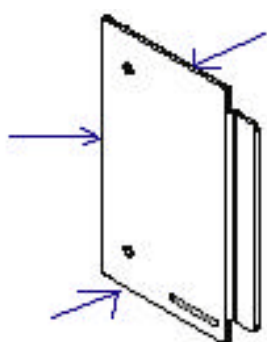
Problem Identification

The new style POWER MODULE has been installed on the 8900 LASER IMAGERS with serial numbers 89001587 and higher. Minor frame changes were made to accommodate the smaller POWER MODULE. Specifically, the FAN opening located behind the lower RIGHT DOOR was moved to the right. Also, the new POWER MODULE is compatible with only Rev G or higher EBA BOARDS. The 8900 LASER IMAGERS below 89001587 will need to perform the following procedures to ensure proper functionality of the new POWER MODULE.

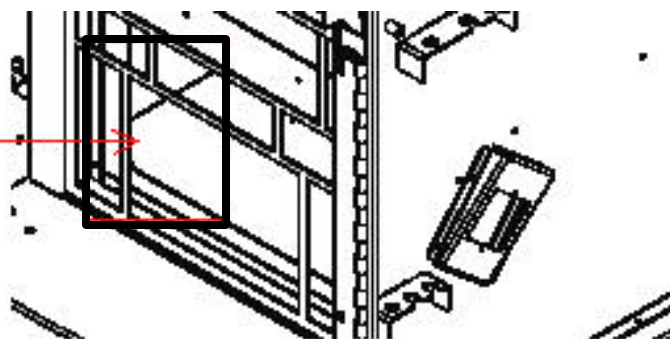
Updating the Frame for the 8900 LASER IMAGER for New Style POWER MODULE Use

When an old style POWER MODULE is to be replaced with a new style POWER MODULE it will be necessary to install a small PANEL INSERT to accommodate the smaller design of the new POWER MODULE. The part number for this PANEL INSERT is SP8E4896.

Installing the PANEL INSERT



Front view of PANEL INSERT



POWER MODULE FAN opening location

1. Apply 2-sided TAPE to the back sides of the PANEL INSERT as indicated by the arrows.
2. Remove the old style POWER MODULE.
3. Place the PANEL INSERT on the left side of the FAN opening (highlighted by the box).
4. Install the new style POWER MODULE.

Verifying EBA BOARD is Compatible With New Style POWER MODULE

The new style POWER MODULE is only compatible with Rev G or higher of the EBA BOARDS. Rev G EBA BOARDS were first installed on serial number 89001129 but some 8900 LASER IMAGERS with serial numbers below this may have had the EBA BOARD replaced due to unassociated failures. Therefore, it is necessary to manually verify the Rev of the EBA BOARD by inspecting the label affixed to the BOARD. A new EBA BOARD must be installed if the current revision is earlier than Rev G.

Key Points

Key Point	Explanation	Part Number	SN Effectivity
New POWER MODULE	Removed UPS	SP8E4881	89001587
EBA Compatibility Issue	New POWER MODULE compatible with Rev G and higher EBA BOARDS. FE must verify revision on board.	SP8E4588	89001129
Frame Compatibility Issue	PANEL INSERT needed on the 8900 LASER IMAGERS with serial numbers lower than 89001587	SP8E4896	89001587

For more information please contact TSC:

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APRIL 2005

Kodak DryView 8900 LASER IMAGER

Service Code: 1442

Old POWER MODULE – Bad UPS Workaround

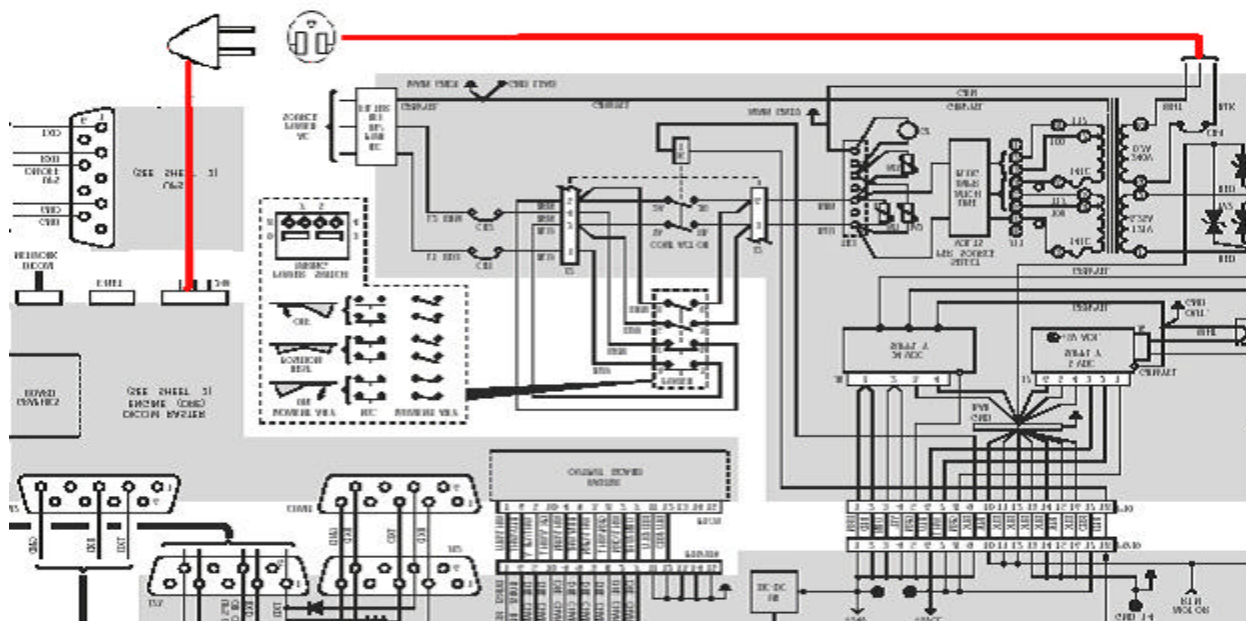
Problem Identification

Several POWER MODULE assemblies have been replaced in the field due to a failed UPS. With Release 2.11 software installed the UPS is no longer needed. The main purpose of the UPS was to perform a controlled shutdown of the DRE. Development has determined that with Release 2.11 software this controlled shutdown is not necessary, eliminating the need for the UPS.

Problem Resolution

In the future, if a UPS fails it is appropriate to disconnect the UPS in the following way:

1. Verify the EBA BOARD (SP8E1593) is at revision G or higher. If the EBA BOARD is a prior revision the system will not remain in the ON state because it requires communication with the UPS in order to hold the system energized.
2. Verify that the 8900 LASER IMAGER has been upgraded to at least Release 2.11 software.
3. Divert power from the UPS by disconnecting the incoming line voltage from the secondary windings that feed the UPS and connect it directly to the POWER CORD that feeds the DRE as depicted in the drawing below.



The POWER CORD from the DRE can plug directly into the LINE CORD from the secondary tap of the POWER MODULE TRANSFORMER.

For more information please contact TSC:

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Health Imaging Products

Eastman Kodak Company, Health Imaging, Rochester, NY 14650

SERVICE BULLETIN NO. 981

FEBRUARY 2005

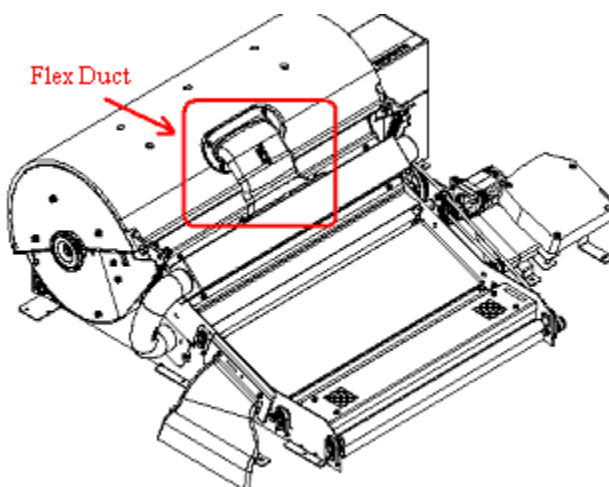
Kodak DryView 8900 LASER IMAGER

Service Codes: 1425, 1426, 1427

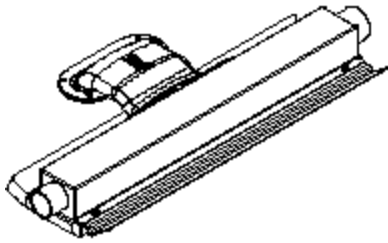
Flex Duct – Processor Air Duct Improvement

Redesign Notification

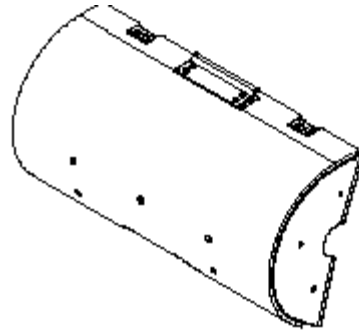
Mechanical design has made a product enhancement to the Air Duct on the Thermal Processor Assembly. The modification increases the airflow through the Processor and assists in removing more of the FAZ from the Thermal Processor assembly. Below is an image of the new Duct.



Machines with S/Ns before 890002670 can be modified to include the Flex Duct. The main components of the new Flex Duct are as follows:



SP7F6333 Condensation Trap assy



SP7F6751 Thermal Processor Cover, Shell

Mandatory modifications are not being considered at this time, as the original components have a zero failure rate.

For more information please contact TSC:

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Eastman Kodak Company, Health Imaging, Rochester, NY 14650

SERVICE BULLETIN NO. 953

NOVEMBER 2004

1442 Kodak DryView 8900 LASER IMAGER **Film Pickup Cup Defects Causing Error 2x-116**

Problem Identification

The Service Organization has identified and the Design Organization has verified a manufacturing issue with the Film Pickup Cups (Part Number SP78809456946) resulting in film pickup issues on machines with serial numbers 890002000 through 890002503. Intermittently, the cups are unable to properly seal when positioned on the film. Without a proper seal no vacuum can be produced between the cups and film. The result is that the film is not picked up.

Problem Resolution

Design has discovered a material change that was made to the suction cups. This change was believed to be insignificant and therefore was not tested on the platform for the *Kodak DryView* 8900 LASER IMAGER. Manufacturing has gone back to using the old style cups starting on 10/27/04 with serial number 890002503. It is advised that the Film Pickup Cups be replaced on machines within the above serial number range that exhibit this error condition. Extreme care must be taken when installing these cups as it is possible to “cross-thread” the shaft. The result of this cross threading can be seen in the image below. This will cause the cup to not seal on the film.



Results of cross-thread

All inventories in Spares has been purged and replaced with known good inventory.

For more information please contact TSC:

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Oakdale, MN 55128-3414, USA
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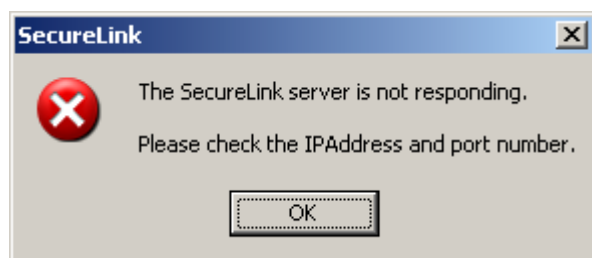
SERVICE BULLETIN NO. 938

OCTOBER 2004

1442 *Kodak DryView* 8900 LASER IMAGER Service Port / Proxy Server Connectivity Issues

Service Port

Symptom: While attempting to connect to the service port of the *Kodak DryView* 8900 LASER IMAGER using *Kodak SECURE LINK SERVER SOFTWARE*, the following error occurs:



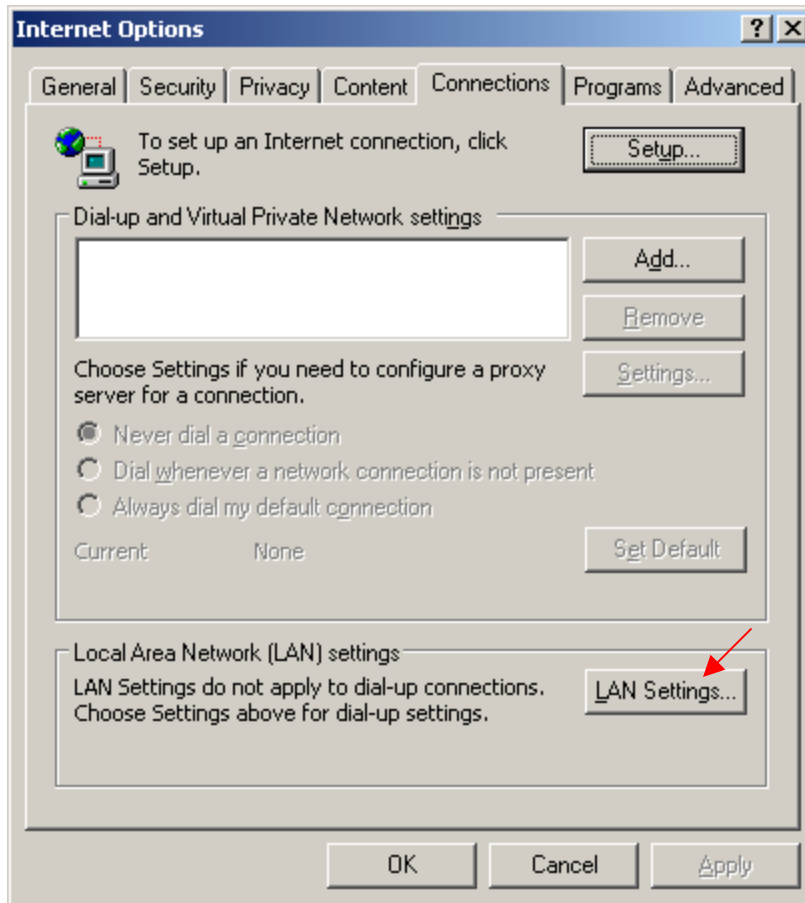
Possible Cause: *Microsoft* INTERNET EXPLORER may attempt to use a proxy server to connect to the service port. The default setting is for *Microsoft* INTERNET EXPLORER to bypass the proxy server when connecting to any local address; however, only host names (for example, <http://webserver>) are checked not specific IP addresses.

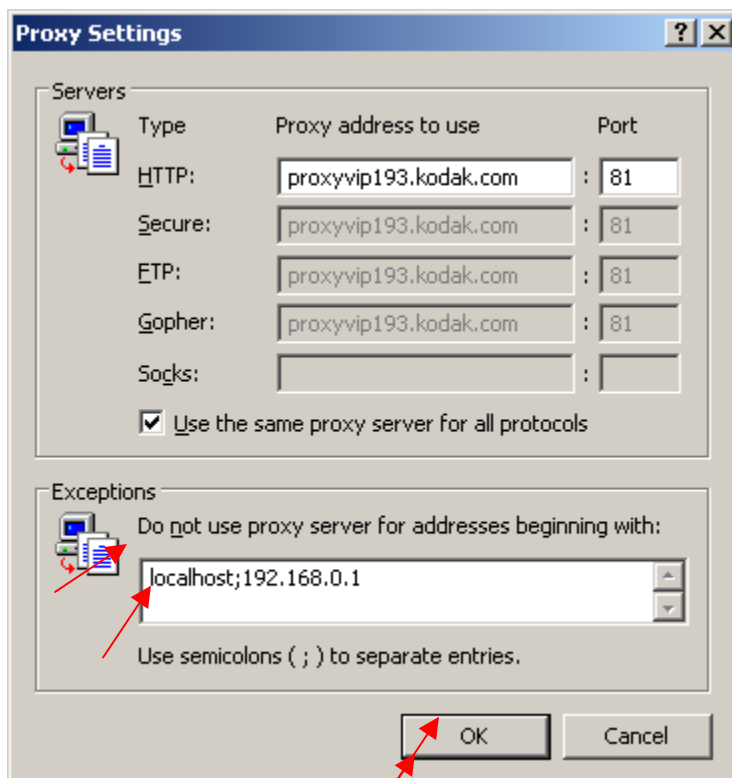
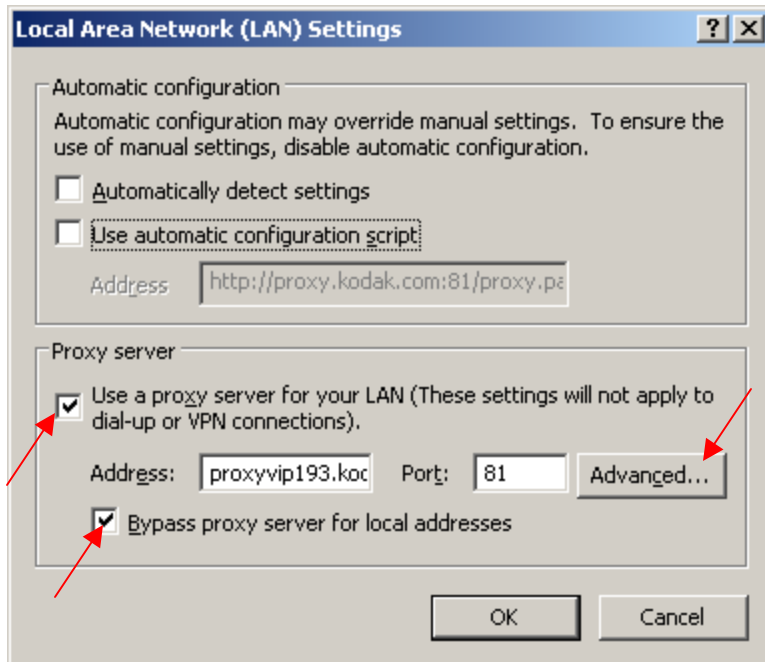
Resolution: Modify the proxy server settings to include the local address of the service port.

1. In *Microsoft* INTERNET EXPLORER, on the '**Tools**' menu, click '**Internet Options**'.
2. On the '**Connections**' tab, click '**LAN Settings**'.
3. Make sure the '**Automatically detect settings**' and '**Use automatic configuration script**' boxes are not selected.
4. If the '**Advanced**' button is disabled (grayed out), click the '**Use a proxy server for your LAN**' box to enable it.
5. Click '**Advanced**' and type localhost;192.168.0.1 in the '**Exceptions**' area (don't forget the semicolon). Click **OK**.
6. Uncheck the '**Use a proxy server for your LAN**' box.

7. Click **OK** until all the *Microsoft* INTERNET EXPLORER boxes are closed. *Microsoft* INTERNET EXPLORER should be closed and re-opened to make sure the changes take effect.

***** Screen shots included on following pages *****





For more information please contact TSC:

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1-800-328-2910

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SERVICE BULLETIN No. 926

SEPTEMBER 2004

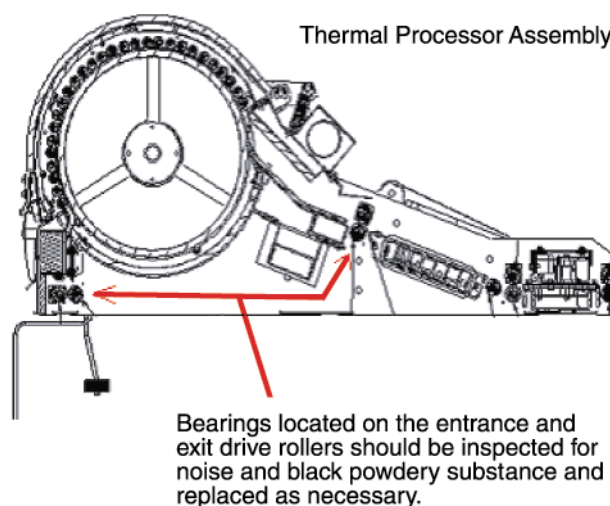
Kodak DryView 8900 LASER IMAGER Service Code: 1442

Bearing Redesign

Problem Identification

Be advised that Design has identified and Field Service has verified the potential of a premature bearing failure in the *Kodak DryView 8900 LASER IMAGER*. The identified bearing (Part Number SP6E8804) is used throughout the machine; but to date, the failure has been isolated to two locations in the Thermal Processor Assembly as identified in the image below. These locations are introduced to small amounts of FAZ, operate at a slightly higher temperature, and operate at a higher radial load due to the drive train.

Symptoms of a failing bearing are deposits of a black powdery substance below the affected bearing (see image below) and/or a high frequency noise emanating from the Thermal Processor Assembly.



Problem Resolution

A new bearing design has been implemented (changed lubricant) and is available in Spares (Part Number SP5F2063). On a next call basis, close inspection of all bearings in the Thermal Processor Assembly) is advisable. Machine Serial Number effectivity for the use of the new bearing design is 890002262. A minimum quantity of five of the new bearings should be maintained in all field service custody.

For more information please contact:

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SERVICE BULLETIN NO. 904

AUGUST 2004

Kodak DryView 8900 LASER IMAGER

Service Code: 1442

Intermittent Rendering Error—Error 03-111 DV8900 with *GE Centricity RA 600* (formerly known as *GE Radworks*)

Problem Identification

The Verification and Validation (V & V) group has documented an intermittent rendering issue with 16-bit printing from the *GE Centricity RA 600 WORKSTATION*.

Problem Background

The *GE Centricity RA 600 WORKSTATION* is normally configured for 16-bit printing but negotiates 12-bit data as observed in the following DICOM log.

	SCP Assoc#79: IB Bits Allocated: 16 from SCU
	SCP Assoc#79: IB Bits Per Pixel (stored): 12 from SCU
	SCP Assoc#79: IB High Bit: 11 from SCU

Intermittently, the *RA 600 WORKSTATION* sends an image that exceeds the 12-bit range. When this occurs, the *Kodak DryView 8900 LASER IMAGER* reports a rendering error (03-111) due to a known limitation with the DRE (MIM software) handling nonzero data in the upper 4 bits of a 16-bit/pixel image.

Problem Resolution

The *GE Centricity RA 600 WORKSTATION* must be configured for 8-bit printing when printing to the *Kodak DryView 8900 LASER IMAGER*.

For more information please contact:

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6200 Tennyson Parkway
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(800) 544-7009

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SERVICE BULLETIN No. 900

JULY 2004

Kodak DryView 8900 LASER IMAGER Service Code: 1442

Duplicate Entries in SCP Services

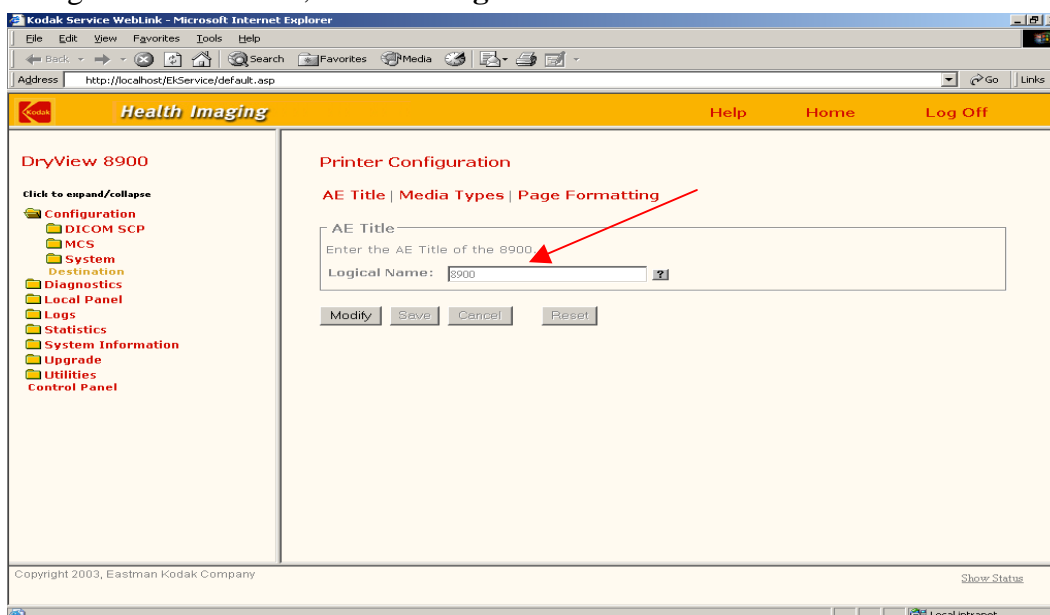
Problem Identification

Duplicate entries can occur in the drop-down menu of DICOM SCP Services after you send a print job to the 8900 LASER IMAGER. This problem occurs when the Logical Name of the IMAGER is changed to a value other than the default setting of **8900**.

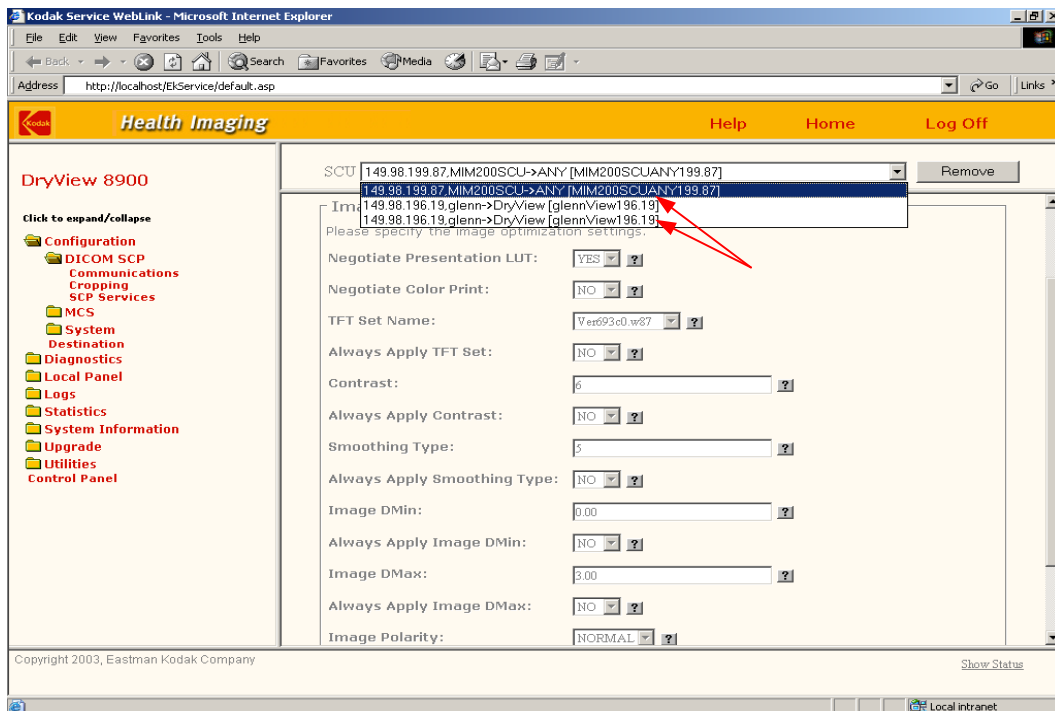
In the past, it was necessary to change the AE-Title of a MIM operating as an SCU (mod server). When the MIM operates as an SCP (print server) only, there is no need to change its AE-Title. Since the DRE in the 8900 LASER IMAGER only operates as an SCP, **there is no need to change the AE-Title.**

Problem Resolution

1. Using the Service Tool, Click **Configuration > Destination**.



2. Verify that Logical Name of the IMAGER Logical Name is set to 8900.
3. If the Logical Name is not set to 8900, click the **Modify** button and type **8900**.
4. Click **Save**.
5. Click **Configuration > DICOM SCP > SCP Services**.
6. Select duplicate entries from the drop down menu and click the **Remove** button.



7. Send a demo print job to the IMAGER.
8. Verify only one instance of the print job exists in the SCP Services drop-down menu.

For more information please contact:

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SERVICE BULLETIN



Health Imaging Products

Eastman Kodak Company, Health Imaging, Rochester, NY 14650

SERVICE BULLETIN NO. 893

JUNE 2004

Kodak DryView 8900 LASER IMAGER **Redesigned Power Module Notification**

Power Module

In an effort to reduce costs, the UPS has been removed from the Power Module. As a result of this change, the Power Module is half the original size and weight. The redesigned Power Module is compatible with only Rev G EBA boards (serial number effectivity 89001129). If this Power Module is used with other than Rev G EBA boards, the 8900 LASER IMAGER may experience intermittent lockups during power-up and power-down cycles.

To accommodate the smaller Power Module, the frame for the 8900 LASER IMAGER has been slightly modified (moving the fan opening located behind the lower right door to the right). The serial number effectivity for the new Power Module and frame change is 89001587.

A new Power Module kit (to include Power Module, metal plate, instructions) is being created to address the frame and Power Module change. Until this kit is available, both Power Module revisions will be maintained in Spares. The 8900 LASER IMAGER with serial numbers lower than 89001587 must use the original revision Power Module (part number SP8E9418). The 8900 LASER IMAGER with serial numbers above 89001586 must use the newer revision Power Module (part number SP8E4881).

To recap, the following are the key changes as a result of this redesign:

- UPS removed resulting in a smaller and lighter Power Module
- Frame modified to accommodate the new fan location
- Power Module kit needed for Frame and Power Module changes
- Compatible with Rev G EBA boards
- New Power Module part number SP8E4881
- Old Power Module part number SP8E9418.

For more information please contact:

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SERVICE BULLETIN NO. 892

JUNE 2004

Kodak DryView 8900 LASER IMAGER
Intermittent Rendering Error (error 03-111 DV8900)
with a Lorad Mammography FFDM

Problem Identification

During the Release 2 Trade Trial, it was discovered that an intermittent rendering issue exists with the Lorad FFDM modality. Lorad has taken ownership in resolving this problem and has released the following information to their Service organization (the following was written by Lorad and distributed through this Service Bulletin with their permission).

Lorad Technical Bulletin

Scope:

Provide information to the field for understanding the source of intermittent printing failures that are associated with pixels in the Selenia AWS text box.

Background:

Research regarding the following information was spawned by reports of intermittent printing issues associated with rendering errors generated on the 8900 LASER IMAGER (mammography). Kodak helped us identify the source of the rendering error, which is associated with a corner pixel contained in the AWS's patient information text box. Although the issue was discovered with the 8900 LASER IMAGER, the following information applies to all printers interfaced to the Selenia AWS:

- Due to non-initialized memory, it is possible that the AWS may occasionally send more than 12 bits of pixel data for a pixel located in the corner of the patient and exam information text box.
- The frequency of this occurrence is believed to be infrequent (i.e. 6 failures out of 500).
- The problem is not deterministic, meaning a resend of the same image is likely to result in the pixel being sent fine without issue.
- Fixing the non-initialized memory issue requires a code change, which will be fixed in the next immediately available code release, AWS version 3.1.

- Until the fix is available, customers may experience occasional films not printing without alarms, intermittent alarms indicating a printing problem, or an unintended shade of gray/white in the pixel at the corner of the text box.
- Until the 3.1 fix is available, customers experiencing filming problems related to this issue, should be instructed to re-send the image to the printer.
- Rebooting the AWS and printer has been reported to aid in reducing the frequency of printing problems, although this information has not been proven.

Action Plan:

Distribute instructions to the field for the purpose of supporting field engineers and informing customers when printing issues are related to the conditions described above.

For more information please contact:

Technical Service Center
1-800-328-2910

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Health Imaging Products

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SERVICE BULLETIN NO. 873

MAY 2004

Kodak DryView 8900 LASER IMAGERS **Rev E Software Release Notification**

Rev E Software to be Released on May 7th, 2004

This is a general notification to inform the service organization of the release of Rev E software for the *Kodak DryView 8900 LASER IMAGER*. Features of this software include the following:

- Ability to image and process *Kodak DryView* MAMMOGRAPHY FILM.
- Ability to configure the number of DRAWERS to be used in the IMAGER.
- Ability to configure the system for use with an optional SORTER.
- Ability to use an Energy Save mode.
- Ability to print images with 2 mm borders (if Requested Image size is not specified).
- Ability to select D-Patch for 14 by 17 films. D-Patches are no longer used on all other film sizes.
- Increased number of film pickup attempts.
- Improved SERVICE TOOL connectivity.

This will be a mandatory software update to be performed on a next call basis. All 8900 trained field representatives are expected to maintain a copy of this software in their parts custody. The part number for the SOFTWARE MODIFICATION KIT is SP7F6290 (valid on 5/7/04). For sites utilizing the Mammography print feature, a Rev C USER GUIDE (part number SP5E6155) must be provided at the time of the software upgrade to support the customer training.

For more information please contact the TSC:

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SERVICE BULLETIN NO. 868

MAY 2004

Kodak DryView 8900 LASER IMAGER **New System Behavior – Shutdown**

New Shutdown Behavior with Redesigned EBA BOARD

When switching power off using the on/off POWER SWITCH located on the right side of the 8900 LASER IMAGER, the IMAGER will instantly shut down as observed by the LOCAL PANEL going immediately blank. This is normal behavior. The EBA BOARD was modified in preparation for the future removal of the UPS from the POWER MODULE. When the modified EBA BOARD is installed, the UPS will no longer control the shutdown of the DRE. All 8900 LASER IMAGERS shipped from manufacturing (serial number effectively 89001129) will shut down in this manner. The redesigned EBA BOARD (serial number effectively ueb0001169) can be ordered from spare parts and installed on any 8900 LASER IMAGER. Therefore, it's important to note that this new shutdown behavior will be observed if a new EBA BOARD is installed on any 8900 LASER IMAGER.

For more information, please contact:

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SERVICE BULLETIN NO. 867

MAY 2004

Kodak DryView 8900 LASER IMAGER **SERVICE TOOL Connectivity**

Problem Identification

Reliably connecting to the SERVICE TOOL has been an issue since the initial release of the 8900 LASER IMAGER. Software enhancements have been made in the latest software releases (Rev D, soon to be Rev E, and *Kodak Secure Link* SOFTWARE, V1.2.1) that make connectivity with the SERVICE TOOL extremely reliable. These updates were made to both the Client software (Client = Service PC) and the Server software (Server = 8900 LASER IMAGER).

Problem Resolution

To realize this improvement in connectivity, both the SERVICE PC **and** the 8900 LASER IMAGER must be updated with the latest software releases. All 8900 LASER IMAGERS shipped after 1MAY04 have the Rev D software installed (starting with S/N 890001219). It is the responsibility of the Field Engineer to ensure that the latest release for the *Kodak Secure Link* SOFTWARE is loaded on the SERVICE PC. Below are the latest software releases with the corresponding part number:

Rev D Software for the 8900 LASER IMAGER: 7F0305 Rev D

Kodak Secure Link SOFTWARE, V1.2.1: Included in Rev D Software

For more information, please contact:

Technical Service Center
1-800-328-2910

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SERVICE BULLETIN



Health Imaging Products

Eastman Kodak Company, Health Imaging, Rochester, NY 14650

SERVICE BULLETIN NO. 866

MAY 2004

Kodak DryView 8900 LASER IMAGER VERTICAL TRANSPORT Film Jams – Error Code 26-166

Problem Identification

The purpose of this Service Bulletin is to communicate an issue in regards to film jams located in the VERTICAL TRANSPORT of the 8900 LASER IMAGER. Jams in this area result in the following error to be displayed on the LOCAL PANEL:

Error Code 26-166: Film Jam in Area 4: Transport

These film jams occur when the film sticks to the surface of either the left or right UPPER FILM GUIDE in the VERTICAL TRANSPORT ASSEMBLY. When the upper portion of the film sticks, the lower portion of the film continues to feed, thereby forming a bulge in the film. With the shorter films, 8x10 and 11x14, the lower portion of the film may feed out of the ROLLERS and cause the film to drop out of the VERTICAL TRANSPORT.

Problem Resolution

Design changes to the VERTICAL TRANSPORT ASSEMBLY include replacing 4 straight ROLLERS with segmented ROLLERS and mounting the middle and upper set of FILM GUIDES at an angle to each other rather than parallel with each other. The new assemblies will be ready for distribution in early May 2004.

For more information, please contact:

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1-800-328-2910

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SERVICE BULLETIN NO. 865

MAY 2004

Kodak DryView 8900 LASER IMAGER

Film Blocking – Error Codes 21-120, 22-120, and 23-120

Problem Identification

The purpose of this Service Bulletin is to communicate a film pickup issue with the 8900 LASER IMAGER. It has been reported by several customer sites and substantiated by design that the film in an unopened CARTRIDGE may be mildly bonded together (commonly referred to as “Film Blocking”). When the IMAGER tries to pick up a single sheet of film from a CARTRIDGE that is exhibiting this “Film Blocking” phenomena, several sheets and possibly all sheets of film in the CARTRIDGE are picked up at one time. If the IMAGER picks up all the film, the FILM PICKUP ARM cannot rotate to actuate the appropriate CUPS ENGAGED SENSOR (s6). This results in the following error to be displayed on the LOCAL PANEL:

Error (21, 22, 23)-120 Internal Hardware Failure: Film Pickup

Problem Resolution

Short Term: To resolve the error condition displayed on the LOCAL PANEL, the user will have to power cycle the IMAGER. If the error condition is immediately experienced on the first film pick up request after the reboot, the user will need to remove the CARTRIDGE from the IMAGER and, in a dark room, manually open the CARTRIDGE and separate the film.

Long Term: Software design has implemented a modification that makes the IMAGER perform multiple pickups on film that is “Blocked”. On each attempt, the “Blocked” film is gradually separated until the IMAGER can successfully pick up a single sheet of film. This software modification (Rev 2.11) is scheduled for release in early May 2004.

For more information, please contact:

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1-800-328-2910

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SERVICE BULLETIN NO. 864

MAY 2004

Kodak DryView 8900 LASER IMAGER **Parity Errors 27-914 and 27-912**

Problem Identification

Several sites have experienced intermittent 27-914 parity errors. This is a fatal error that causes the user to power cycle the 8900 LASER IMAGER. By design, this fatal error is only displayed after three sequential print attempts have failed due to a parity error. For each failed print attempt, the IMAGER will log (not display) a 27-912 parity error and print a vertical gray stripe from top to bottom on the film identifying that a parity error exists. If a 27-912 is logged on the third print attempt, the IMAGER will automatically display the 27-914.

Problem Resolution

Development has discovered a grounding issue on the FLEX TERM BOARD that allows noise spikes to pass from the FLEX TERM BOARD through the FLEX CABLE to the OPTICS CONTROLLER BOARD. This BOARD is being redesigned to include the improved grounding. Further investigation showed that more isolation was realized by inserting a dielectric SPACER between the FLEX CABLE and the metal shelf located directly underneath the FLEX CABLE. The redesigned FLEX TERM BOARD and FLEX CABLE SPACER will be released in mid-May as a field modification.

For more information, please contact:

Technical Service Center
1-800-328-2910

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Health Imaging Products

Eastman Kodak Company, Health Imaging, Rochester, NY 14650

SERVICE BULLETIN NO. 858

APRIL 16, 2004

Notification of MODIFICATION KIT No. 7 for the *Kodak DryView 8900 LASER IMAGER*

Purpose

The purpose of this Service Bulletin is to notify that all *Kodak DryView 8900 LASER IMAGERS* with Serial Numbers 890001188 and below, require MODIFICATION KIT No. 7 SP7F3996 that adds HEAT SINKS to the SOLID STATE RELAYS on the PROCESSOR CONTROL BOARD.

The MODIFICATION KIT is Type 1 Required and mandatory on the next call.

For more information please contact:

Technical Service Center
1-800-328-2910

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SERVICE BULLETIN NO. 03

NOVEMBER 2003

Kodak DryView 8900 LASER IMAGER **MICROCONTROLLER Communications Failure**

Problem Identification

The purpose of this Service Bulletin is to communicate an issue in regards to the MICROCONTROLLERS for the 8900 LASER IMAGER.

It has been discovered that 6 MICROCONTROLLERS have an internal hardware failure that will prevent the MICROCONTROLLER from running during a power up cycle. This in turn will cause the MICROCONTROLLER to lose communication with the MCS. In time, after the MICROCONTROLLER stops running, the following error will be displayed on the Local Panel:

“Incompatible Software Version” 20-156

followed by one of the Error Messages listed below which identifies the MICROCONTROLLER that lost communication with the MCS.

MICROCONTROLLER	Part Number	Error Code	Message
CARTRIDGE CONTROL BOARD	SP8E1584	24-931	Internal Communications Failure: Film Cartridge Controller
RF TAG READER BOARD	SP8E1587	25-931	Internal Communications Failure: RF Tag
OPTICS MODULE	SP8E9442	27-931	Internal Communications Failure: Optics
PROCESSOR CONTROL BOARD	SP8E1575	28-931	Internal Communications Failure: Processor
DENSITOMETER MODULE	SP8E9435	29-931	Internal Communications Failure: Densitometer
EBA BOARD	SP8E4588	31-931	Internal Communications Failure: FPGA

Problem Resolution

Power cycling the imager may cause the problem to be resolved temporarily, but it will reoccur either immediately after a Restart or after any future power cycle. The failing board / assembly must be replaced by a trained Field Engineer. It is recommended that the failing board /assembly be ordered before a site visit is made. After the board has been replaced, it may be necessary to perform a MICROCONTROLLER update depending on the software version of the MICROCONTROLLER on the ordered part. Follow procedure “Upgrading Micro Board Software” in the Service Manual for the 8900 LASER IMAGER to determine if this is necessary.

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SERVICE BULLETIN NO. 02

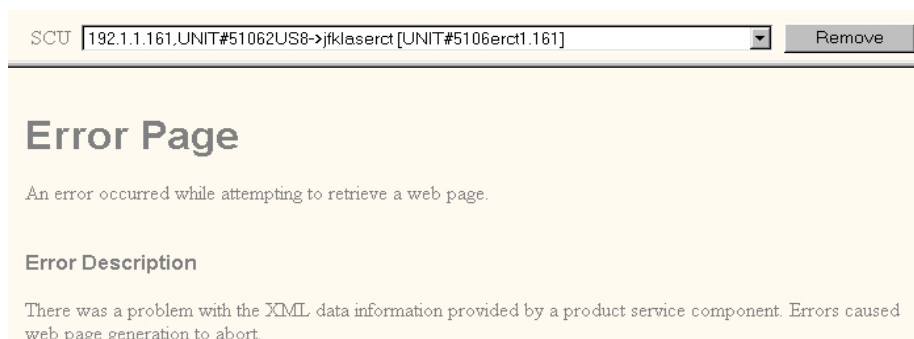
November 2003

Kodak DryView 8900 LASER IMAGER

Characters Causing Error Condition for SERVICE TOOL

Purpose

The purpose of this Service Bulletin is to communicate an issue in regards to characters in an SCU modality AE Title that may cause the SERVICE TOOL to display the following error when attempting to configure an SCU modality.



Characters

The following characters are known to cause this error:

- #
- Carriage Return
- &
- \$

System Effect

The SCU modality will be able to send print requests to the 8900 LASER IMAGER, but the IMAGER will use the default parameter settings for “Image Optimization” and “Other” settings. If the AE Title of an SCU modality contains any of the characters listed above and that SCU is selected to perform image optimization, the SERVICE TOOL will issue the above error condition. When this Error Page is displayed, the SCU AE Title cannot be removed and the Backup function will not work.

Solution

Currently, the SCU modality must reconfigure its AE Title and remove these characters. To resolve the backup malfunction, run a script file using the Script Tool utility in the SERVICE TOOL “SDS Diagnostics”. Please contact the Technical Support Center to request a copy of the script file.

Glenn D. Moede, Service Engineer-Oakdale

For more information please contact:

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SERVICE BULLETIN



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SERVICE BULLETIN NO. 01

NOVEMBER 2003

Kodak DryView 8900 LASER IMAGER

Error Code 27-128 Caused by a Misaligned FILM CENTERING ASSEMBLY

Purpose

This Service Bulletin provides a check and adjustment procedure to ensure that misalignment of the FILM CENTERING ASSEMBLY will not cause Error 27-128. Also, if Error 27-128 has already occurred as a result of misalignment, you can use the procedure to resolve the problem.

Note: Error 27-128 can result from other causes, such as failure of FILM CENTERING MOTOR mst10 or PLATEN CENTERING HOME SENSOR s12, as described in the QuickSheet for this error code in DIAGNOSTICS MANUAL 8E5983.

Cause

Error 27-128 will occur if misalignment of the FILM CENTERING ASSEMBLY prevents the ACTUATING ARM from entering PLATEN CENTERING HOME SENSOR s12 to signal that the ASSEMBLY has reached the "Home" position.

Procedure

Do the **checks** outlined in the flow chart in Figure 1 on all new installations and at your next service call for machines already installed. Do the **adjustments** only if needed.

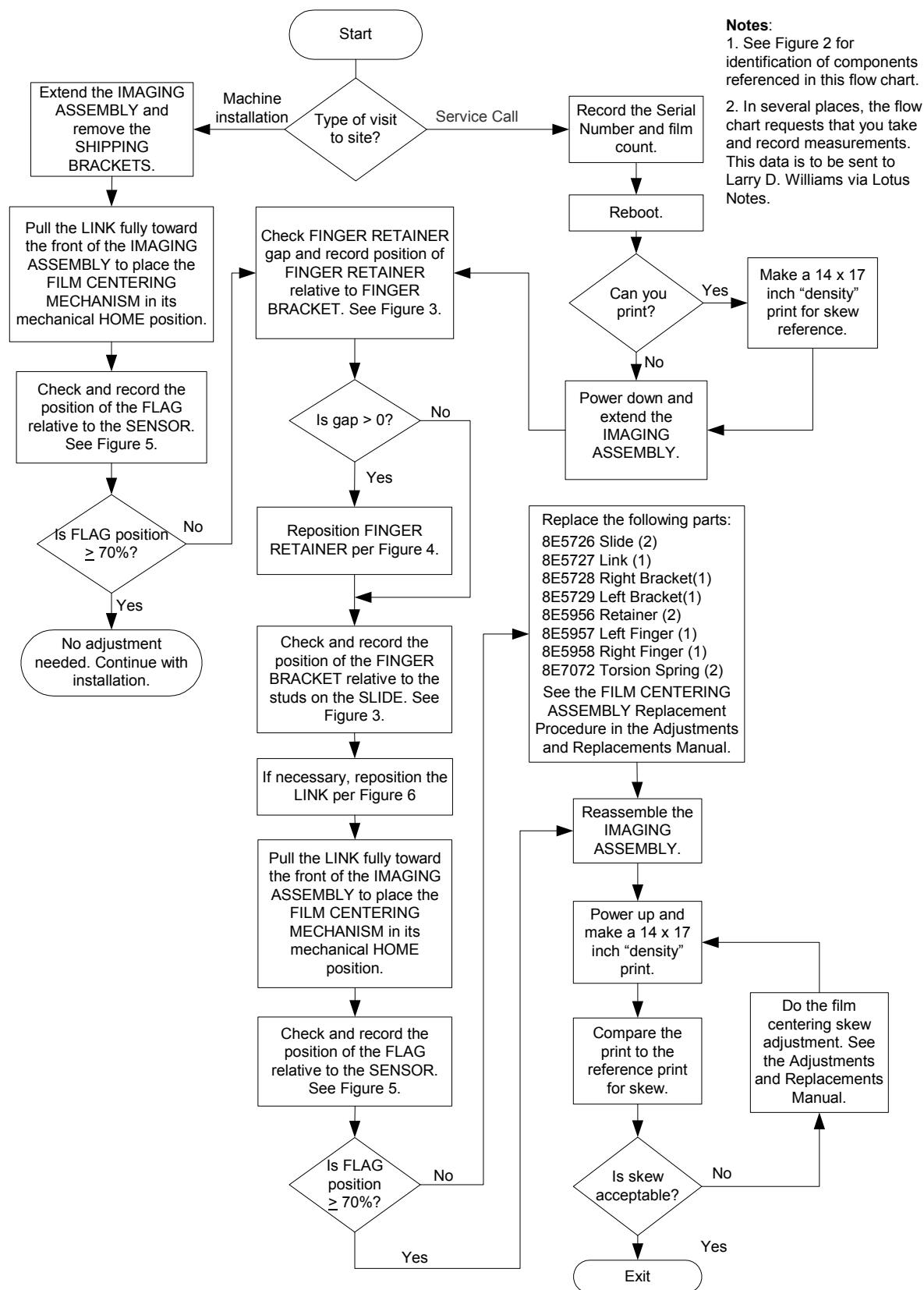


Figure 1. Film Centering Check and Adjustment Procedure (for Error Code 27-128)

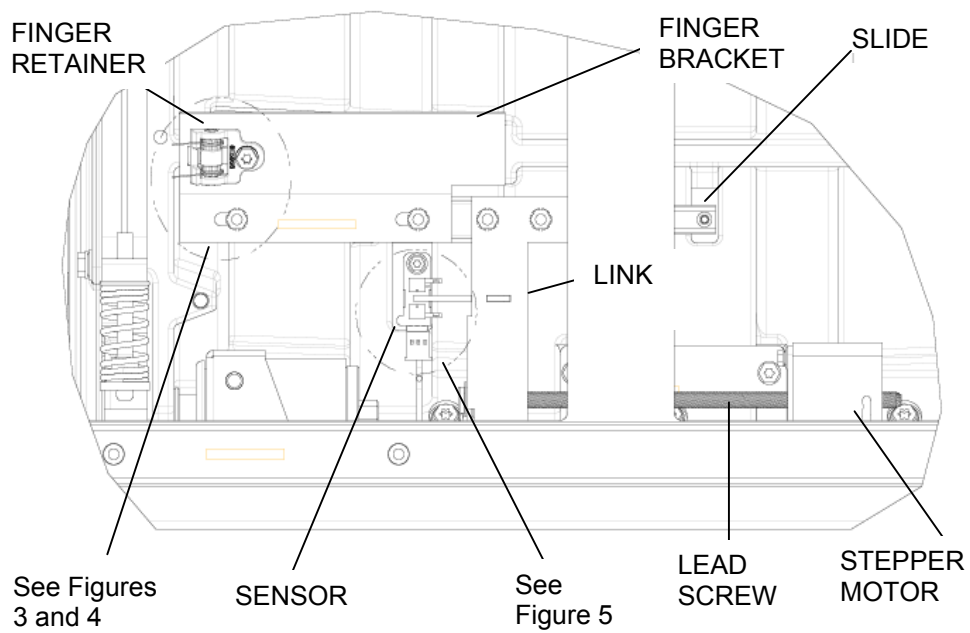


Figure 2. Component Identification View

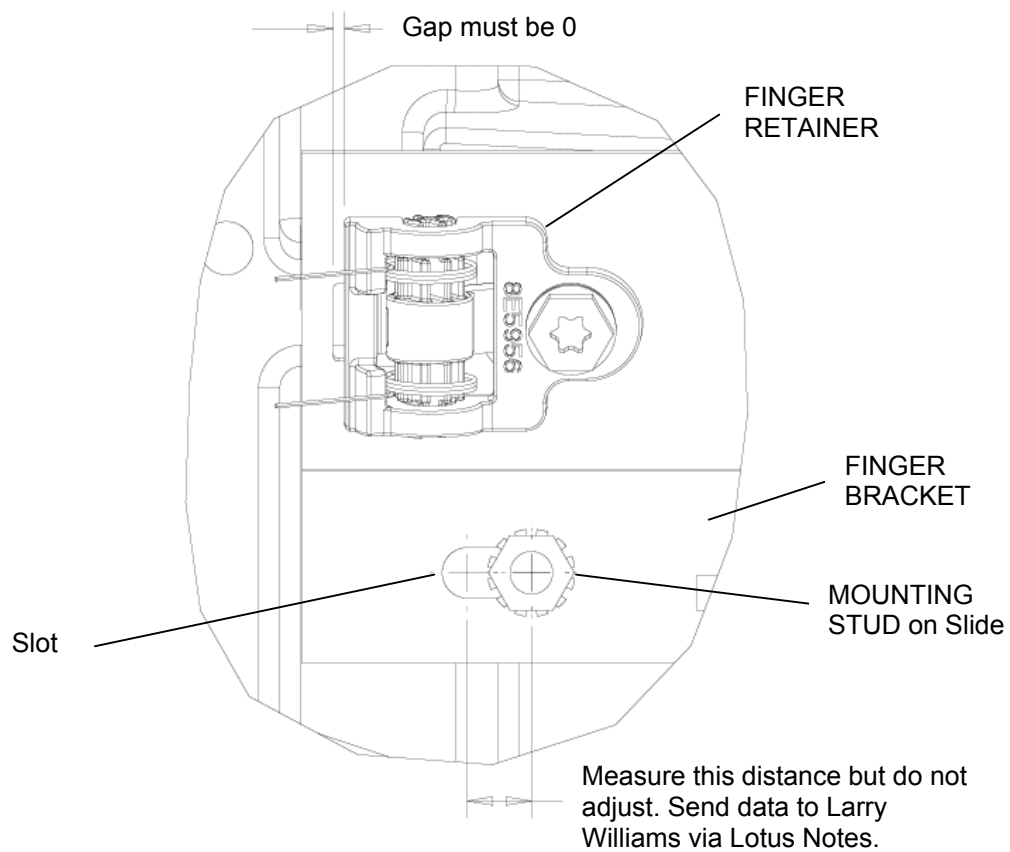


Figure 3. Centering FINGER RETAINER Out of Adjustment

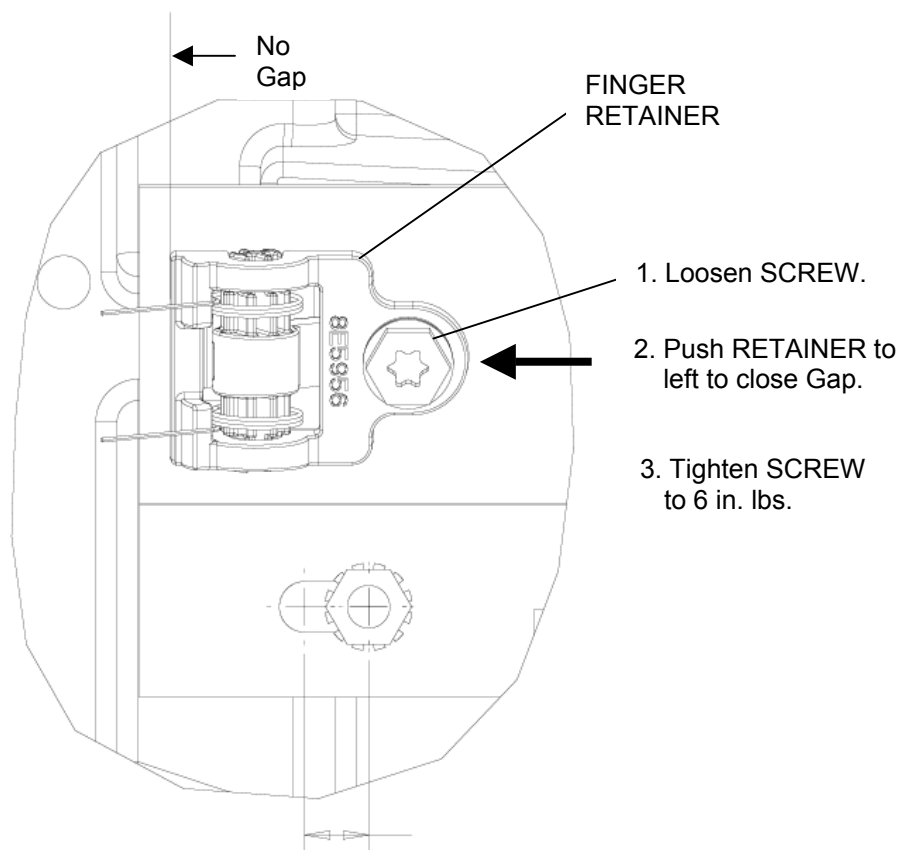
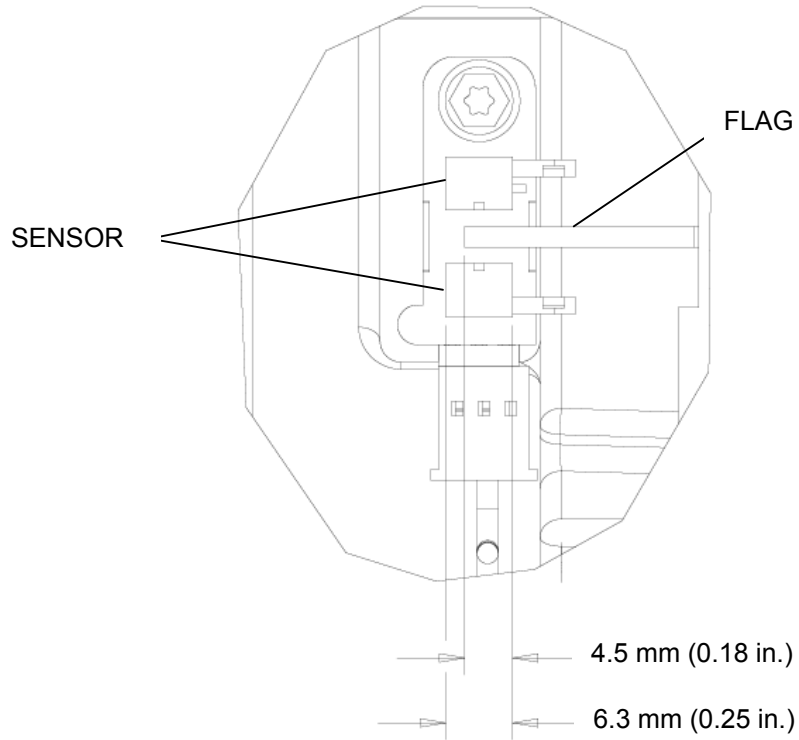


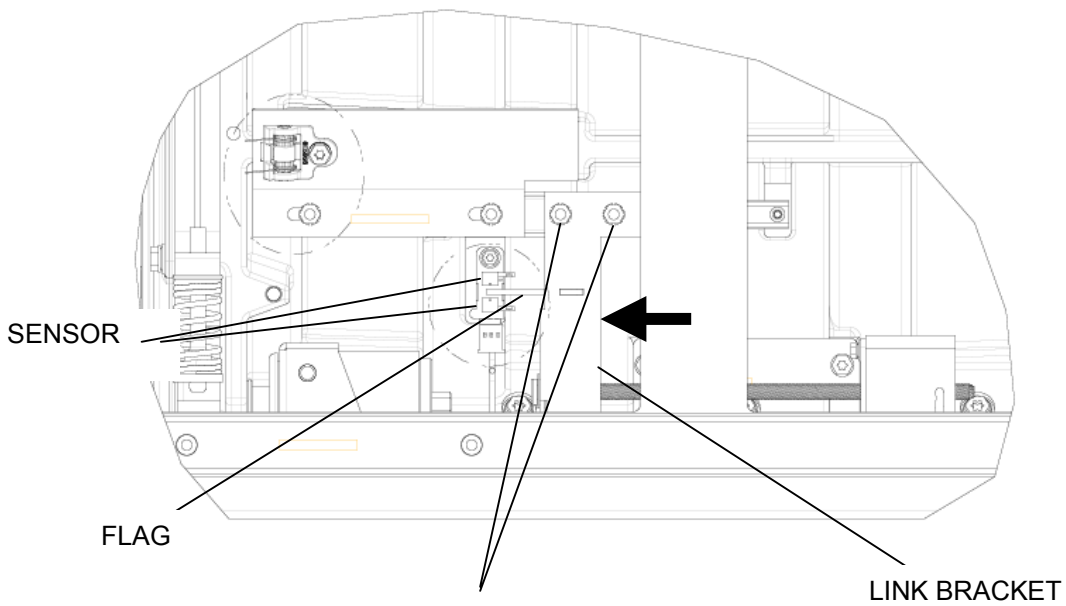
Figure 4. Centering FINGER RETAINER Adjustment



With mechanism in mechanical Home position, position of FLAG with respect to SENSOR = 45/63 (about 70% but not less than 70%).

Send measurement data to Larry Williams via Lotus Notes.

Figure 5. Horizontal Position of FLAG with Respect to SENSOR in Home Position



1. Position LINK BRACKET so FLAG is just to right of SENSOR feet.
2. Loosen NUTS.
3. Rotate LINK BRACKET left or right to center FLAG on SENSOR slot.
4. Ensure FLAG is aligned between SENSOR feet.
5. Tighten NUTS to 27 in. lbs.

Figure 6. Link Adjustment to Center FLAG on SENSOR Slot

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